

CLAIMS

1. A switch router for transmitting IP packet data, comprising:
  - 5 a Switch Link board Assembly (SLA) for switching an ATM packet data inputted from a higher block to an IP Forwarding Control Assembly (IFCA), the SLA further being operative to switch the ATM packet data inputted from the IFCA to the higher block;  
an IFCA for routing the ATM packet data inputted from the SLA to an
  - 10 EtherNet Link board Assembly (ENLA), the IFCA further being operative to route the ATM packet data inputted from the ENLA to the SLA; and  
an ENLA for converting the ATM packet data routed from the IFCA to an Ethernet data and transmitting the Ethernet data to the higher block, the ENLA further being operative to convert the Ethernet data inputted from the higher block to
  - 15 a local ATM packet data and outputting the local ATM packet data to the IFCA.
2. The switch router as claimed in claim 1, wherein the SLA, the IFCA and the ENLA are connected by fiber optic cable for use in ATM communication.